

SONY®

4-203-290-61(1)

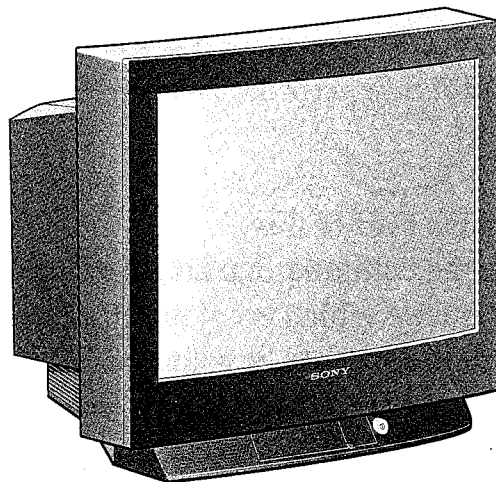
3006493

SONY BDA.

Trinitron Colour TV

Operating Instructions

GB



SuperTrinitron

KV-25F1U/29F1U/25F2U/29F2U

For Your Safety

Televisions operate on extremely high voltages. To prevent fire or an electric shock, please follow the safety procedures below. For your own safety, never open the cabinet. Refer servicing to qualified personnel only.

For General Safety

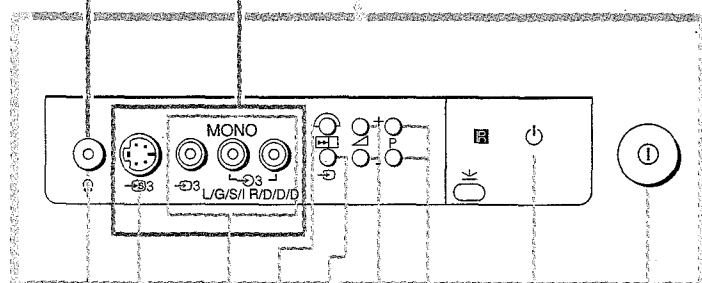
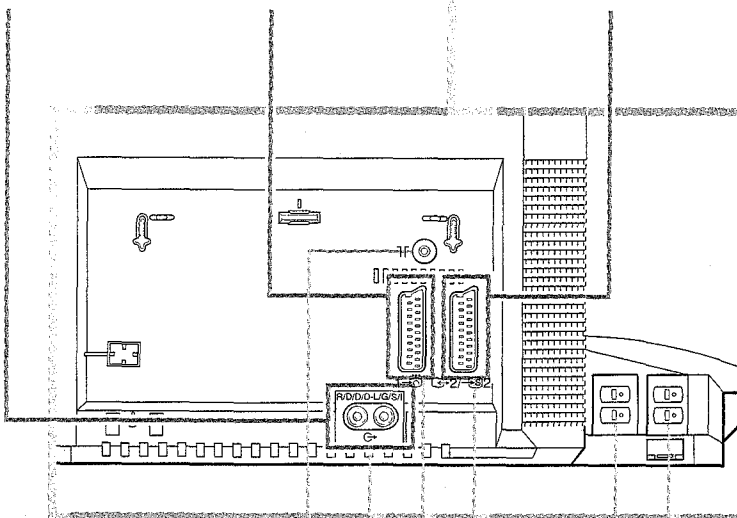
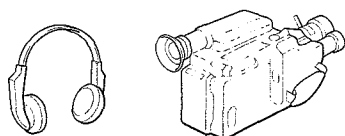
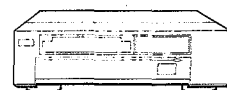
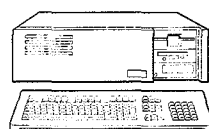
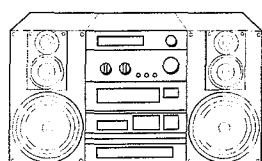
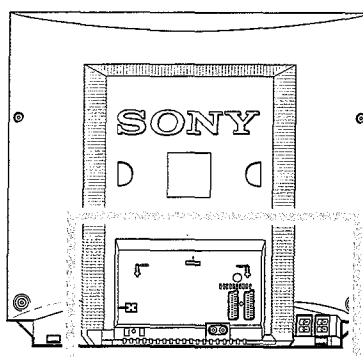
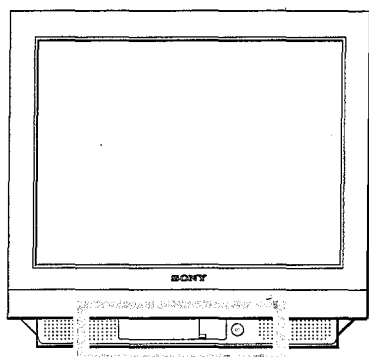
- Do not expose the TV to rain or other moisture.
- Do not open the rear cover.

For Safe Installation

- Do not block or cover the ventilation openings. For ventilation, leave a space of at least 5 cm all around the set.
- Do not install the TV in hot, humid or excessively dusty places.
- Do not install the TV where it may be exposed to mechanical vibrations.

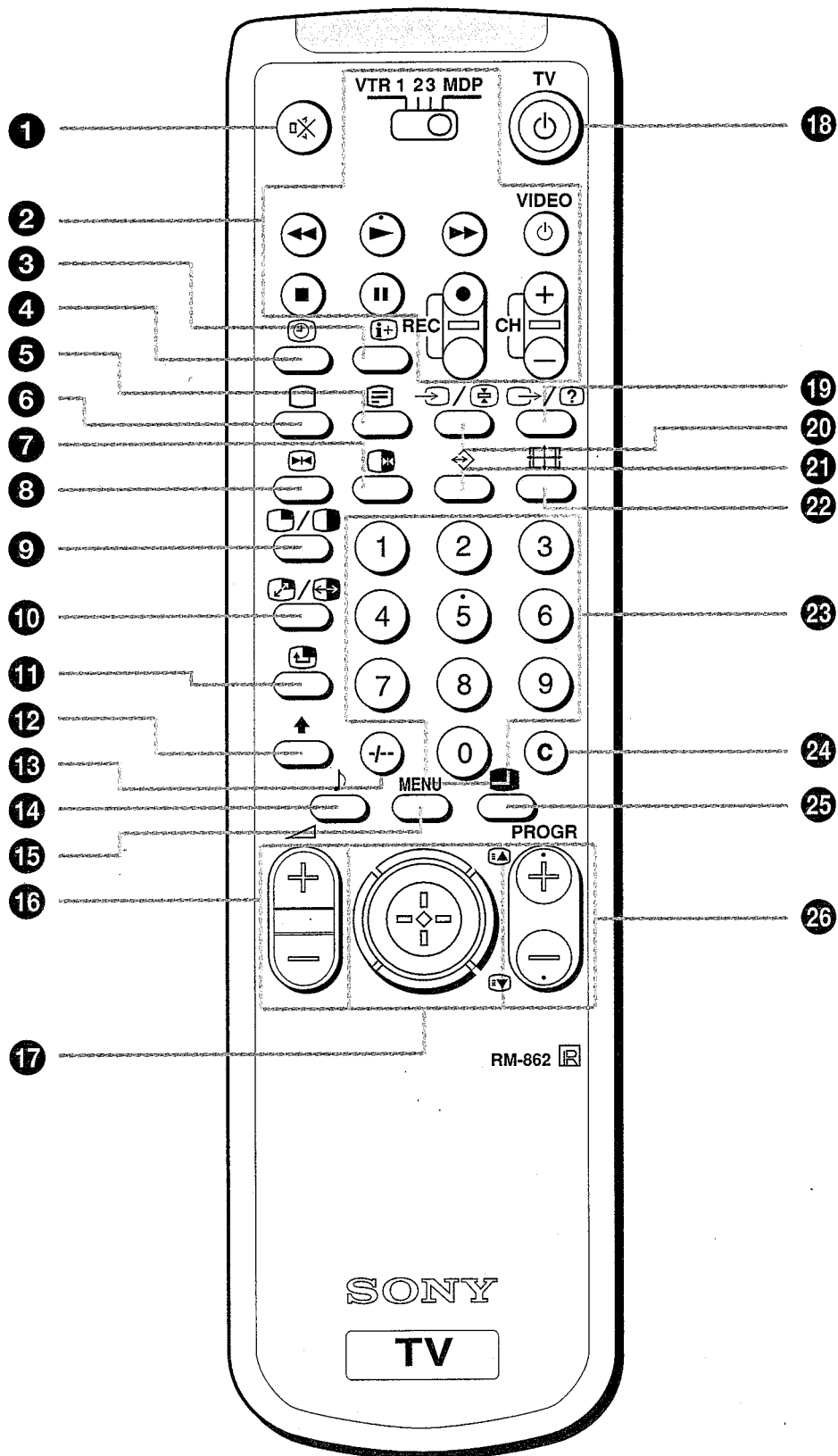
For Safe Operations

- Do not operate the TV on anything but 220-240V AC, 50Hz.
- Unplug the TV if any liquid or solid object falls in it. Have it checked immediately!
- Unplug the TV if you are not going to use it for several days.
- When unplugging the TV, pull it out by the plug. Do not pull on the power cord!



A B C D E F G H I

J K L M N O

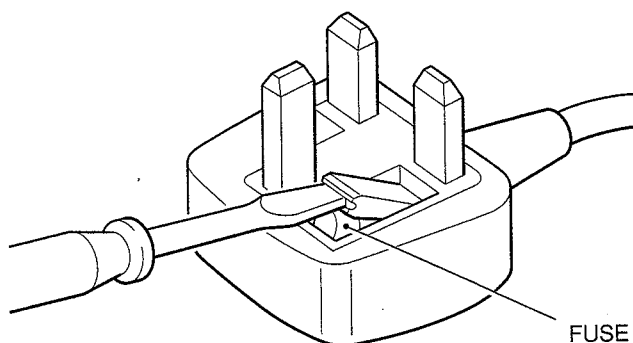


NOTICE FOR CUSTOMERS IN THE UNITED KINGDOM

A moulded plug complying with BS1363 is fitted to this equipment for your safety and convenience.

Should the fuse in the plug supplied need to be replaced, a 5 AMP fuse approved by ASTA or BSI to BS 1362 (i.e. marked with \diamond or \heartsuit) must be used.

When an alternative type of plug is used it should be fitted with a 5 AMP FUSE, otherwise the circuit should be protected by a 5 AMP FUSE at the distribution board. If the plug supplied with this equipment has a detachable fuse cover, be sure to refit it after you change the fuse. Never use the plug without the fuse cover. If you should lose the fuse cover, please contact your nearest Sony service station.



How to replace the fuse

Open the fuse compartment with a blade screwdriver, and replace the fuse.

IMPORTANT

If the plug supplied is not suitable for the socket outlets in your home, it should be cut off and an appropriate plug fitted in accordance with the following instructions:

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral

Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red. Do not connect either wire to the earth terminal in the plug which is marked by the letter E or by the safety earth symbol \perp or coloured green or green and yellow.

WARNING

To prevent shock hazard, do not insert the plug cut off from the mains lead into a socket outlet. This plug cannot be used again and should be destroyed.

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



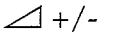







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















Overview

This section briefly describes the controls and the buttons on the TV set and on the Remote Commander. Please open the flap at the front of the Instruction manual for illustrations of the TV set and the Remote Commander. Letters in boxes refer to the buttons on the TV set, numbers in circles to the buttons on the Remote Commander. For more information, refer to the page numbers given next to each description.

TV-Buttons and Terminals

Reference and Symbol	Name	Refer to Page
Front of the set		
A 	Headphones jack	33
B  3	S video input jack	33
C  3,  3	Audio/video input jacks	33
D 	Automatic Preset button	12
E 	Input mode button	14
F  +/-	Volume control	13
G P +/-	Programme button	13
H 	Standby mode indicator	13
I 	Main power switch	13
Rear of the set		
J 	Aerial socket	11
K 	Audio phono jacks	33
L  1	21 pin Euro connector	33
M  2 /  2	21 pin Euro connector	33
N L/G/S/L, R/D/D/D	Left/Right speaker terminals (KV-25F2U/29F2U only)	10
O S	Surround speaker terminals (KV-25F2U/29F2U only)	10

Remote Commander Operation

Reference and Symbol	Name	Refer to Page
① 	Muting on/off button	13
②	VCR operation	36
VTR123MDP	Video equipment selector	36
	Video equipment operation buttons	36
VIDEO  , CH +/-		
③ 	On-screen display button	13
④ 	Time display button	13
⑤ 	Teletext button	14
⑥ 	TV power on/TV mode button	13, 14
⑦ ⑧ ⑨ ⑩ ⑪ ⑫	No function on this set	-
⑬ - / - -	Double digit entering button	13
⑭ 	Sound mode button	20
⑮ MENU	Menu on/off button	15
⑯ 	Volume control button	13
⑰ 	Joystick for menu selection. Press to confirm selection (OK function)	15
⑱ TV 	TV standby button	13
⑲ 	No function on this set Teletext: reveal button	- 31
⑳  	Input mode button Teletext: Freezing the subpage	14 31
㉑ 	Teletext: Favourite pages button	32
㉒ 	Button to change screen format	13
㉓ 1, 2, ..., 9, 0	Number buttons	13
㉔ C	Direct channel button	14
㉕ 	Picture mode button	20
㉖ PROGR +/- 	Programme buttons Teletext: Page up/page down buttons	13 14

Step 1

Connecting the Speakers

(KV-25F2U/29F2U only)

Do not switch on the TV before you connect the speakers.

Dolby (*) Pro Logic Surround normally requires 5 speakers:

Centre speaker (incorporated in the TV set)

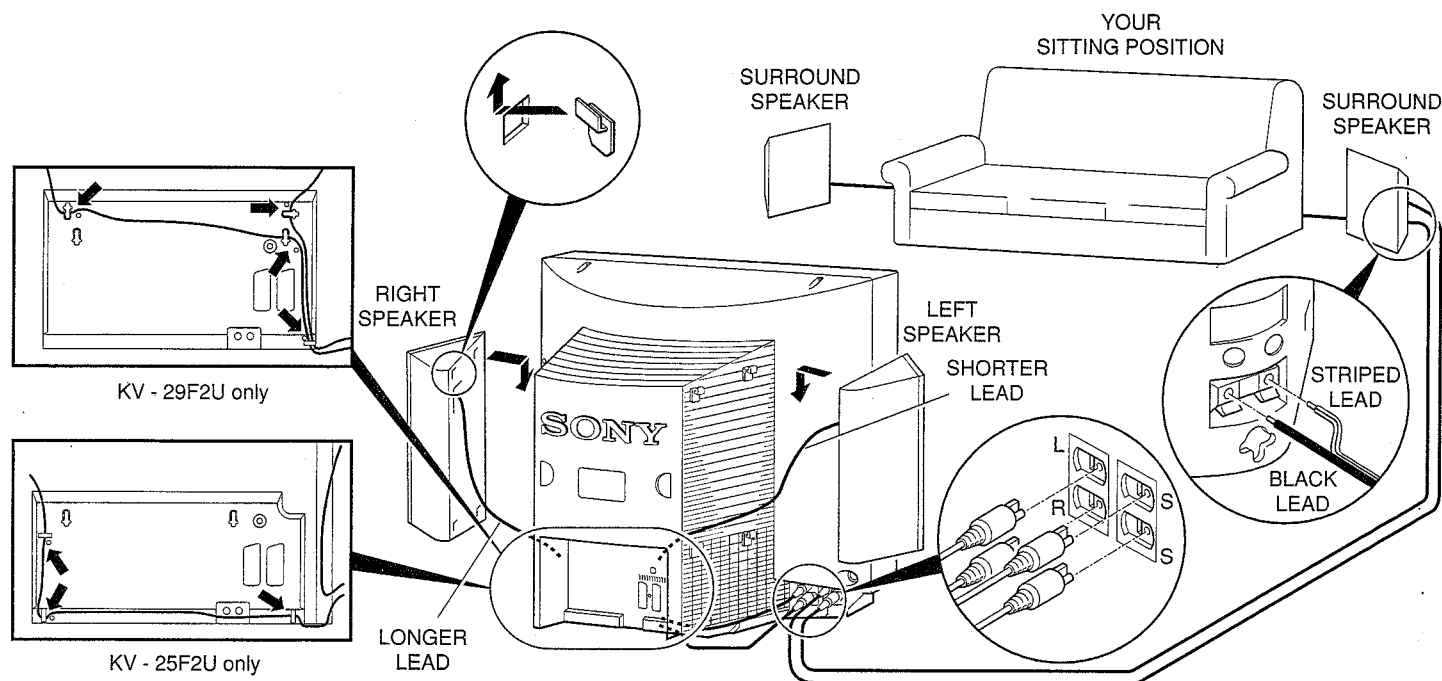
- for anchoring the stable sound image, like dialogue, to the TV screen

Left and Right front speakers

- for the normal two channel stereo or bilingual broadcasts

Surround speakers

- for the special effects created by the surround channel



Notes:


- Connect the speakers using the leads provided. The striped lead (+) is for the red terminal of the speaker and the black lead (-) is for the black terminal.
- If you use your own speakers, make sure they are at least 8Ω impedance and are magnetically shielded. Otherwise picture distortion may occur.
- For your safety, do not hold the speakers when lifting the set.

(*) Manufactured under license from Dolby Laboratories Licensing Corporation. DOLBY, the double-D symbol  and "PRO LOGIC" are trademarks of Dolby Laboratories Licensing Corporation.

Step 2

Connecting the Aerial

(If you connect a VCR, skip to step 3)

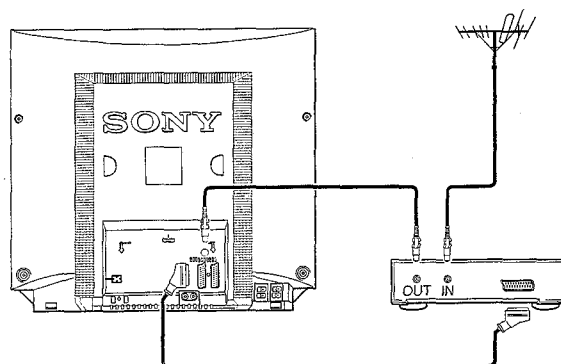
Insert the aerial plug tightly into the aerial socket . Use a good-quality aerial cable (not supplied), corresponding to the relevant regulations.

Step 3

Connecting a VCR

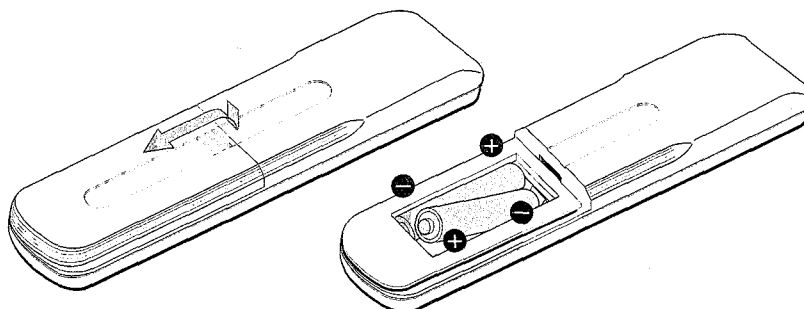
We recommend that you tune in the VCR signal to programme number "0". For details, see "Presetting Channels Manually" on page 17.

See "Connecting Optional Equipment" on page 33 for more information.



Step 4

Inserting the Batteries Into the Remote Commander



Respect your environment! Dispose of used batteries in an environmentally friendly way.

Step 5

Presetting Channels Automatically

With this function, the TV can automatically search and store up to 100 different channel numbers.


If you prefer manual presetting, refer to "Presetting Channels Manually" on page 17.

1

Plug into mains.

Press the power switch ① **I** on the TV set.

2

Press and hold the button  **D** on the TV set until the automatic menu is displayed and the search starts.

After all available channels are stored, the normal TV picture is shown.

Note: Channels are automatically stored as follows:

Programme 1	BBC1
Programme 2	BBC2
Programme 3	ITV
Programme 4	CH4 or S4C

TV Operation

This section explains functions used whilst watching TV. Most operations are carried out using the remote commander (numbers in circles). All basic functions are also available on the TV set (letters in boxes). Open the flap at the front of the Instruction Manual to see the illustrations of the Remote Commander and the TV set.

To	Press
Switch on	① I on TV
Switch off temporarily	⏻ 18 TV is now in standby mode and ⏻ H indicator on TV lights up.
Switch on from standby mode	⏻ 6 , PROGR +/- 26 G or any number button 23
Switch off completely	① I on TV To save energy, switch off your TV completely when TV is not in use.
Select programmes	PROGR +/- 26 G or number buttons 23 For double digit number, press -/- 13 then the number e.g. For 23, press -/- 13 then 2 and 3.
Display on screen indications	i+ 3 . Press again to make the indications disappear.
Adjust the volume	△ + or - 16 F
Mute the sound	⏻ 1 . Press again to restore the sound.
Display the time (only available when teletext is broadcast)	⌚ 4 . Press again to make the display disappear.
View programmes in 16:9 mode	⏻ 22 . Press again to return to 4:3 mode.

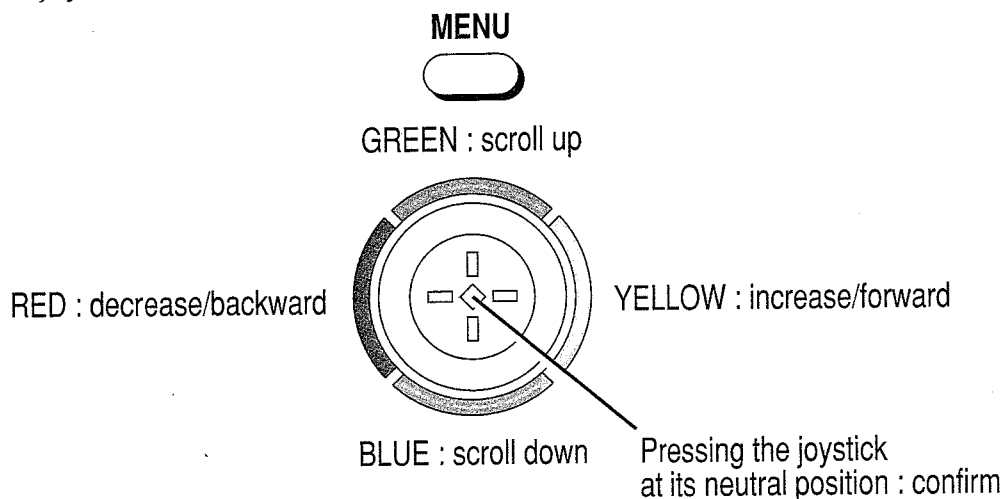
TV Operation (continued)

To	Press
Tune in a channel temporarily	C 24. The indication "C" appears. Enter the double digit number. e.g. For 4, press 0 then 4.
View video input picture (see page 34 for detailed information)	↶ 20 E repeatedly until the desired video input appears. Press □ 6 to restore the TV picture.
View teletext (see page 31 for detailed information)	
Switch on	≡ 5
Select a page	three number buttons 23 or ≡▲ 26 (for next page) or ≡▼ 26 (for previous page).
Use fasttext	Push joystick 17 to select a colour.
Switch off	□ 6

Adjusting and Setting the TV Using the Menu

You can adjust and set various functions on the TV using the following remote commander buttons:

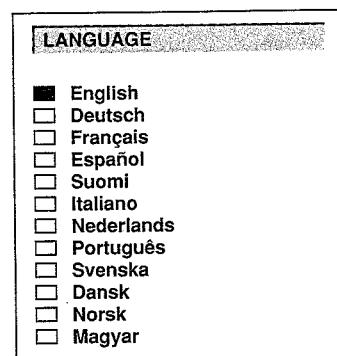
- 1 Press MENU **15** to switch menu on/off.
- 2 Use the joystick **17** as follows.



Choosing the Menu Language

This function enables you to change the language of the menu screens.

- 1 Press power switch **1** **1** on the TV. If the standby indicator **1** **1** on the TV is lit, press **6** or a number button **23** on the Remote Commander.
- 2 Press the MENU button **15** on the remote commander.




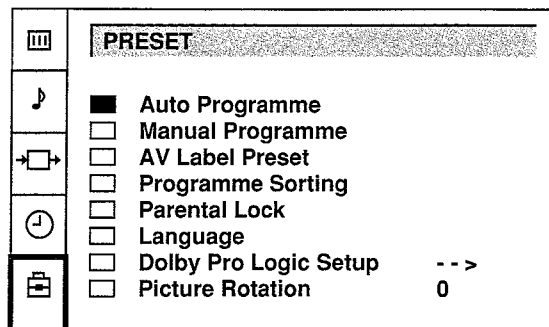
- 3 Push to blue or green to select the language you want then push to yellow.
- 4 Press the MENU button **15** to restore the normal TV picture.

Presetting Channels Automatically

You may have already preset the channels automatically by using the method shown on page 12. You can also preset channels automatically by using the remote commander as follows:

1 Press the MENU button **15**.

2 Push joystick **17** to blue or green to select the symbol  on the menu screen then push to yellow.



3 Push to blue or green to select 'Auto Programme'.

4 Push to yellow and hold until the automatic menu is displayed and the search starts.
After all available channels have been preset, the normal TV picture is shown.

AUTO PROGRAMME			
PROG	SYS	CHAN	LABEL
6	I	C26	-----


Note: Channels are automatically stored as follows:

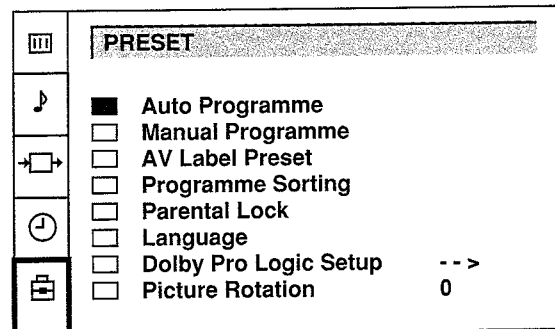
Programme 1	BBC1
Programme 2	BBC2
Programme 3	ITV
Programme 4	CH4 or S4C

Presetting Channels Manually

This function enables you to preset channels one by one to different programme numbers. This is also convenient for allocating programme numbers to various video input sources.

1 Press the MENU button **15**.

2 Push joystick **17** to blue or green to select the symbol  on the menu screen then push to yellow.



3 Push to blue or green to select 'Manual Programme' then push to yellow.

MANUAL PROGRAMME PRESET				
PROG	SYS	CHAN	LABEL	AFT
<input type="checkbox"/> 0		C29	-----	ON
<input type="checkbox"/> 1		C31	-----	ON
<input type="checkbox"/> 2		C32	-----	ON
<input type="checkbox"/> 3		C36	-----	ON
<input checked="" type="checkbox"/> 4		C37	-----	ON
<input type="checkbox"/> 5		C40	-----	ON
<input type="checkbox"/> 6		C41	-----	ON
<input type="checkbox"/> 7		C44	-----	ON
<input type="checkbox"/> 8		C49	-----	ON
<input type="checkbox"/> 9		C52	-----	ON

4 Push to blue or green to select on which programme number you want to preset a channel then push to yellow.

5 Push to blue or green to select the TV broadcast system 'T' or a video input source (AV1, AV2,...) then push to yellow twice.

6 Select the first number digit of 'CHAN' (channel) then the second number digit of 'CHAN' with the number buttons **23** on the remote commander
or

Push joystick **17** to blue or green to search for the next available channel.

7 If you want to store the channel, go to step 8. If not, select a new channel using the number buttons **23** on the remote commander or push to blue or green to resume the search.

8 Press the joystick **17**.

9 Repeat steps 4 to 8 to preset other channels.

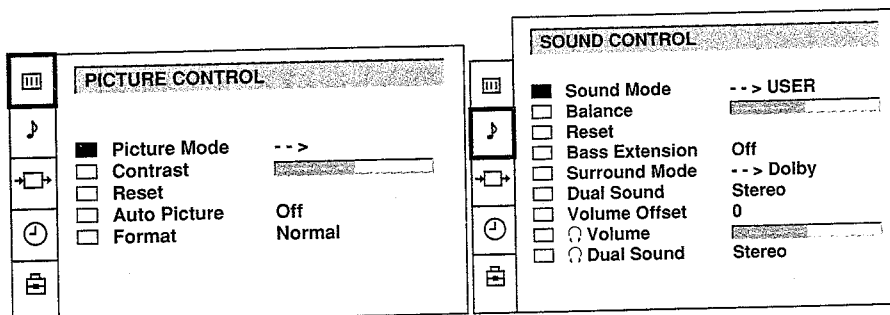
10 Press the MENU button **15** to restore the normal TV picture.

Adjusting the Picture and Sound

Although the picture and sound are adjusted at the factory, you can adjust them to suit your own taste.

1 Press the MENU button **15**.

2 Push joystick **17** to blue or green to select **111** for picture control or **17** for sound control then push to yellow.



3 Push to blue or green to select the desired item then push to yellow.

4 Push to red or yellow to alter the item then press the joystick **17**.
For the effect of each control, see the following tables.

5 Repeat steps 3 and 4 to adjust the other items.

6 Press the MENU button **15** to restore the normal TV picture.

PICTURE CONTROL Effect

Picture Mode

- User —> Game —> Movie —> Sports —> Live
- In 'User' mode, you can preset Brightness, Colour, Sharpness and Hue (NTSC signals only) as follows:
- 1** Push joystick **17** to blue or green to select the desired item then push to yellow.
- 2** Push to red or yellow to adjust then press the joystick **17**.
- 3** Push to red to return to the PICTURE CONTROL menu.

Contrast

- Darker ——— | ——— Brighter

Reset

- Resets picture to the factory preset levels.



Auto Picture

- All the picture levels automatically change according to the surrounding lighting level. (Auto Picture Control)

Format





- Wide screen effect (16:9)

Adjusting the Picture and Sound (continued)

SOUND CONTROL	Effect
Sound Mode	<ul style="list-style-type: none">• User → Rock → Jazz → Pop <p>In 'User' mode, you can preset Treble and Bass as follows.</p> <ol style="list-style-type: none">1 Push joystick 17 to blue or green to select the item then push to yellow.2 Push to red or yellow to adjust then press the joystick 17.3 Push to red to return to the 'SOUND CONTROL' menu.
Balance	<ul style="list-style-type: none">• Left — — Right
Reset	<ul style="list-style-type: none">• Resets sound to the factory preset levels.
Bass Extension	<ul style="list-style-type: none">• Boosts bass by a fixed amount. (KV-25F2U/29F2U only)
Surround Mode	<ul style="list-style-type: none">• Choice among special sound effects (KV-25F2U/29F2U only) <p>Pro Logic → Pseudo Stereo → Spatial → Club → Theatre → Hall → Church → Stadium → Off</p>
Spatial	<ul style="list-style-type: none">• Acoustic sound effect (KV-25F1U/29F1U only)
Dual Sound	<ul style="list-style-type: none">• A: Left channel → B: Right channel → stereo → mono
Volume Offset	<ul style="list-style-type: none">• Presets the volume level for individual programmes. <p>-12 — 0 — +12</p>
 Volume	<ul style="list-style-type: none">• Adjusts the headphone volume.
 Dual Sound	<ul style="list-style-type: none">• Selects the headphone channels. <p>A: Left channel → B: Right channel → stereo → mono</p>

Changing Modes Quickly

You can quickly change the Sound Mode (KV-25F1U/29F1U only), the Surround Mode (KV-25F2U/29F2U only) or the Picture Mode without entering the 'SOUND CONTROL' or the 'PICTURE CONTROL' menu.


- 1 Press  **25** for the picture or  **14** for the sound.
- 2 Push joystick **17** to blue or green to select the desired mode.
- 3 Press  **25** or  **14** again to restore the normal TV screen.

Manual Fine-Tuning

Normally, the automatic fine-tuning (AFT) function is operating.

If the picture is distorted however, you can manually fine-tune the TV to obtain a better picture reception.

1 Press the MENU button **15**.

2 Push joystick **17** to blue or green to select the symbol  on the menu screen then push to yellow.

3 Push to blue or green to select 'Manual Programme' then push to yellow.

MANUAL PROGRAMME PRESET					
PROG	SYS	CHAN	LABEL	AFT	
<input type="checkbox"/> 0		C29	-----	ON	
<input type="checkbox"/> 1		C31	-----	ON	
<input type="checkbox"/> 2		C32	-----	ON	
<input type="checkbox"/> 3		C36	-----	ON	
<input checked="" type="checkbox"/> 4		C37	-----	ON	
<input type="checkbox"/> 5		C40	-----	ON	
<input type="checkbox"/> 6		C41	-----	ON	
<input type="checkbox"/> 7		C44	-----	ON	
<input type="checkbox"/> 8		C49	-----	ON	
<input type="checkbox"/> 9		C52	-----	ON	

4 Push to blue or green to select the programme number which corresponds to the channel you want to manually fine-tune.

5 Push to yellow repeatedly until the AFT position changes colour.

6 Push to blue or green to fine tune the channel frequency (-15 to +15).

7 Press the joystick **17**.


8 Repeat steps 4 to 7 to fine-tune other channels.

9 Press the MENU button **15** to restore the normal TV picture.

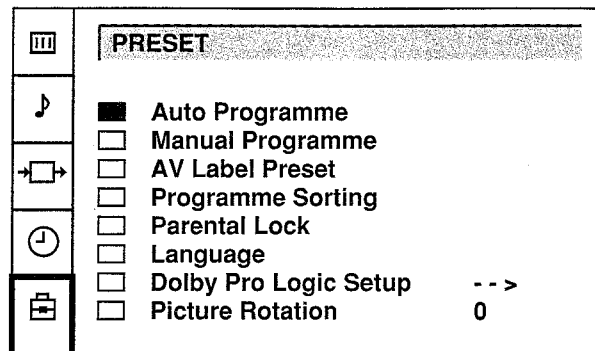
Sorting Programme Positions

This function enables you to exchange the programme positions.

1 Press the MENU button **15**.

2 Push joystick **17** to blue or green to select the symbol  on the menu screen then push to yellow.

3 Push to blue or green to select 'Programme Sorting' then push to yellow.



4 Push to blue or green to select the channel you want to exchange then push to yellow.

PROGRAMME SORTING				
PROG	SYS	CHAN	LABEL	
<input checked="" type="checkbox"/> 0		C28	BBC-W	
<input type="checkbox"/> 1		C29	VHS-2	
<input type="checkbox"/> 2		C35	CNN--	
<input type="checkbox"/> 3		C38	-----	
<input type="checkbox"/> 4		C40	MV-CH	
<input type="checkbox"/> 5		C42	VHS-1	
<input type="checkbox"/> 6		C55	-----	
<input type="checkbox"/> 7		C56	8MM	
<input type="checkbox"/> 8		C57	-----	
<input type="checkbox"/> 9		C58	-----	

5 Push to blue or green to select the programme position of the channel you want exchanged then push to yellow.


6 Repeat steps 4 to 5 if you wish to exchange other programme positions.

7 Press the MENU button **15** to restore the normal TV picture.

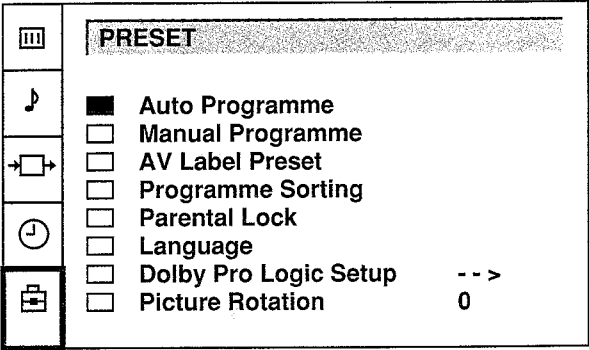
Using Parental Lock


This function enables you to prevent undesirable broadcasts from appearing on the screen. We suggest you use this function to prevent children from watching programmes which you consider unsuitable.

1 Press the MENU button 15.

2 Push joystick 17 to blue or green to select the symbol  on the menu screen then push to yellow.

3 Push to blue or green to select 'Parental Lock' then push to yellow.



4 Push to blue or green to select the channel you want to block then push to yellow.
The symbol  appears before the programme number to indicate that this channel is now blocked.

PARENTAL LOCK			
	PROG	SYS	CHAN LABEL
<input checked="" type="checkbox"/>	0		C28 BBC-W
<input type="checkbox"/>	1		C29 VHS-2
<input type="checkbox"/>	2		C35 CNN--
<input type="checkbox"/>	3		C38 -----
<input type="checkbox"/>	4		C40 MV-CH
<input type="checkbox"/>	5		C42 VHS-1
<input type="checkbox"/>	6		C55 -----
<input type="checkbox"/>	7		C56 8MM
<input type="checkbox"/>	8		C57 -----
<input type="checkbox"/>	9		C58 -----

5 Repeat step 4 if you wish to block other channels.

6 Press the MENU button 15 to restore the normal TV picture.

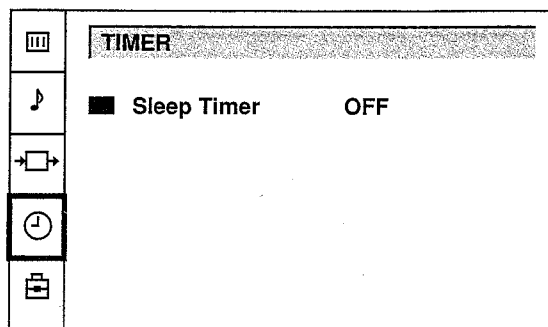
Note: To unblock, push to yellow after selecting the channel to unblock in the 'Parental Lock' menu.

Using the Sleep Timer

This function enables you to select a time period after which the TV automatically switches into standby mode.

1 Press the MENU button ⑮.

2 Push joystick ⑰ to blue or green to select the symbol ⌚ on the menu screen then push to yellow.



3 Push to yellow.

4 Push to red or yellow to set time delay and press the joystick ⑰.

OFF 0:30 1:00 1:30 3:30 4:00

One minute before the TV switches into standby mode, a message is displayed on the screen.


5 Press the MENU button ⑮ to restore the normal TV picture.

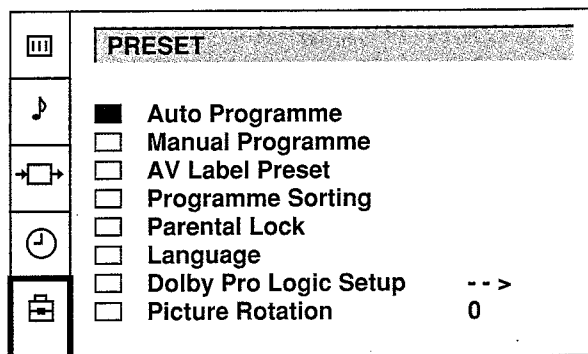
Adjusting the Picture Rotation

(KV-29F1U/29F2U only)

If, due to the earth magnetism, the picture slants, you can use the function 'Picture Rotation' to readjust the picture.

1 Press the MENU button **15**.

2 Push joystick **17** to blue or green to select the symbol  on the menu screen then push to yellow.



3 Push to blue or green to select 'Picture Rotation' then push to yellow.


4 Push to red or yellow to adjust the picture rotation then press the joystick **17**. The adjusting range is -5 to +5.

5 Press the MENU button **15** to restore the normal TV picture.

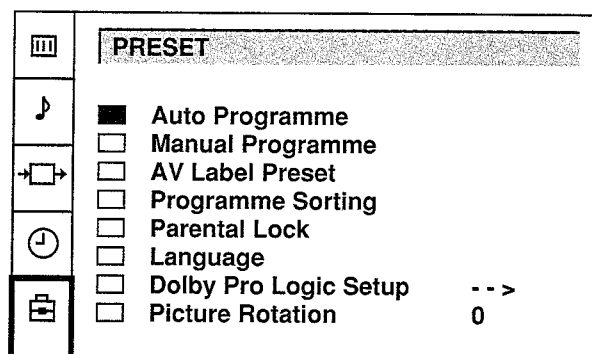
Skippping Programme Positions

This function enables you to skip unused programme positions when selecting them with the PROGR+/- buttons. However, you can still watch the channel of the skipped programme position by using the number buttons.

1 Press the MENU button **15**.

2 Push joystick **17** to blue or green to select the symbol  on the menu screen then push to yellow.

3 Push to blue or green to select 'Manual Programme' then push to yellow.



4 Push to blue or green to select the programme position you want to skip then push to yellow.

5 Push to blue or green until '---' appears in the 'SYS' position.

MANUAL PROGRAMME PRESET				
PROG	SYS	CHAN	LABEL	AFT
<input type="checkbox"/> 0		C29	-----	ON
<input type="checkbox"/> 1		C31	-----	ON
<input type="checkbox"/> 2		C32	-----	ON
<input type="checkbox"/> 3		C36	-----	ON
<input checked="" type="checkbox"/> 4	---	C37	-----	ON
<input type="checkbox"/> 5		C40	-----	ON
<input type="checkbox"/> 6		C41	-----	ON
<input type="checkbox"/> 7		C44	-----	ON
<input type="checkbox"/> 8		C49	-----	ON
<input type="checkbox"/> 9		C52	-----	ON

6 Press the joystick **17**.


7 Repeat steps 4 to 6 to skip other programme positions.

8 Press the MENU button **15** to restore the normal TV picture.

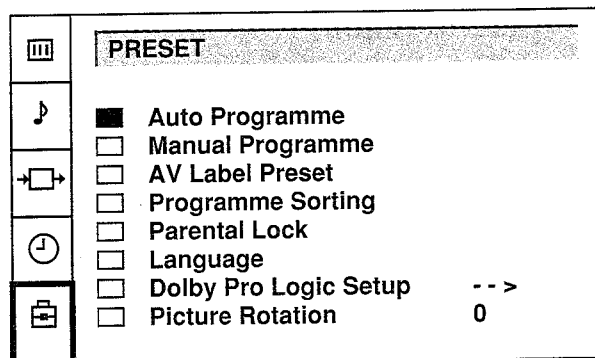
Captioning a Station Name

Names for channels are usually automatically taken from teletext if available. You can however name a channel or an input video source using up to five characters (letters or numbers).

1 Press the MENU button **15**.

2 Push joystick **17** to blue or green to select the symbol  on the menu screen then push to yellow.

3 Push to blue or green to select 'Manual Programme' then push to yellow.



4 Push to blue or green to select the channel you wish to caption then push to yellow repeatedly until the first element of the 'LABEL' position is highlighted.

5 Push to blue or green to select a letter or number and push to yellow (select '-' for a blank). Select the other four characters in the same way.

MANUAL PROGRAMME PRESET					
	PROG	SYS	CHAN	LABEL	AFT
<input type="checkbox"/>	0	I	C29	-----	ON
<input type="checkbox"/>	1	I	C31	-----	ON
<input type="checkbox"/>	2	I	C32	-----	ON
<input type="checkbox"/>	3	I	C36	-----	ON
<input checked="" type="checkbox"/>	4	I	C37	-A-----	ON
<input type="checkbox"/>	5	I	C40	-----	ON
<input type="checkbox"/>	6	I	C41	-----	ON
<input type="checkbox"/>	7	I	C44	-----	ON
<input type="checkbox"/>	8	I	C49	-----	ON
<input type="checkbox"/>	9	I	C52	-----	ON

6 After selecting all the characters, press the joystick **17**.

7 Repeat steps 4 to 6 to caption names for other channels.

8 Press the MENU button **15** to restore the normal TV screen.


Setting Up Dolby Pro Logic

(KV-25F2U/29F2U only)

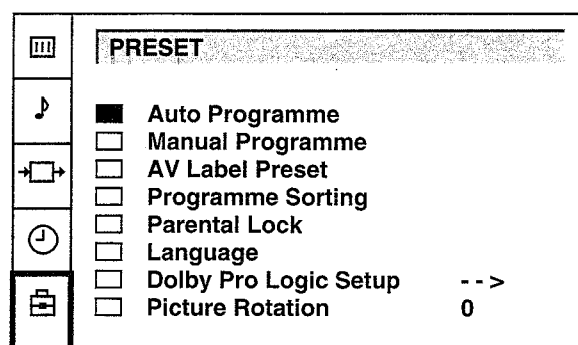
Before viewing Dolby Pro Logic encoded programmes, you have to set up the levels or modes of the speakers.

Normally this is required only when you install the TV and the speakers or change their positions.

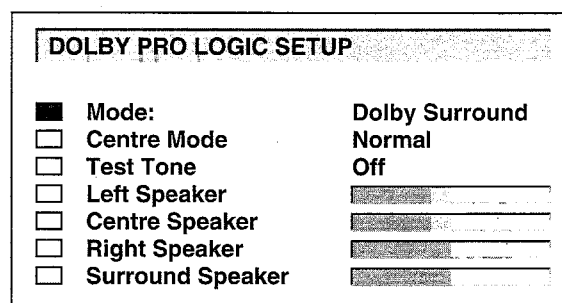
1 Press the MENU button **15**.

2 Push joystick **17** to blue or green to select the symbol  on the menu screen then push to yellow.

3 Push to blue or green to select 'Dolby Pro Logic Setup' then push to yellow.



4 Push to blue or green to select 'Mode' then push to yellow.



5 Push to red or yellow to select the mode then press the joystick **17**.

Dolby Pro Logic: if you want to use all the five speakers

Dolby 3 Stereo: if you do not want to use the surround speakers

6 Push to blue or green to select 'Centre Mode' then push to yellow.

7 Push to red or yellow to select the desired mode then press the joystick **17**.

Normal: if you want to activate all the speakers

Wide: if you want a wider bandwidth sound effect

Phantom: if you do not want to use the centre speaker


-
- 8** Push to blue or green to select 'Test Tone' then push to yellow.
 - 9** Push to red or yellow to select 'On' then press the joystick **17**.
The test tone cycles through all the speakers.
 - 10** Push to blue to select 'Left Speaker' then push to yellow.
The test tone stays at the selected speaker only.
 - 11** Push to red or yellow to adjust the sound level then press the joystick **17**.
 - 12** Push to blue or green to select another speaker then push to yellow.
 - 13** Repeat steps 11 to 12 to adjust the sound levels of all the other speakers.
 - 14** Press the MENU button **15** to restore the normal TV screen.
-

Presetting Dolby Pro Logic

(KV-25F2U/29F2U only)


With Dolby Pro Logic Surround mode selected, you can experience three dimensional sound when watching Dolby Surround encoded programmes.

To experience programmes encoded in Dolby Surround sound, preset the surround mode to 'Pro Logic' as shown below.

1 Press  **14** on the remote commander.

2 Push joystick **17** to blue or green to select 'Pro Logic'.

- | | |
|-------------------------------------|---------------|
| <input type="checkbox"/> | Off |
| <input checked="" type="checkbox"/> | Pro Logic |
| <input type="checkbox"/> | Pseudo Stereo |
| <input type="checkbox"/> | Spatial |
| <input type="checkbox"/> | Club |
| <input type="checkbox"/> | Theatre |
| <input type="checkbox"/> | Hall |
| <input type="checkbox"/> | Church |
| <input type="checkbox"/> | Stadium |

3 Press  **14** to restore the normal TV screen.



Or alternatively you can select 'Pro Logic' in the surround mode of the 'SOUND CONTROL' menu (see page 20)

Teletext






Most TV channels broadcast information via teletext. The index page of the broadcaster (usually page 100) gives you information on how to use the service.

Make sure you use a TV channel with a strong signal, otherwise teletext errors may occur.

Switching Teletext on and off

- 1** Select the channel which carries the teletext service you wish to view.
- 2** Press  **5** to display teletext.
If no teletext signal is broadcast, the indication P100 is displayed on a black screen.
- 3** Input three digits for the page number using the number buttons **23**.
The page counter searches for the page and after some seconds the page is displayed.
- 4** Press  **6** to return to the normal TV picture.

Using Other Teletext Functions

To	Press
Access the next or preceding teletext page	 26 for the next page or  26 for the preceding page
Mix the mode	 5 when in teletext mode. Now the teletext page is superimposed on the TV programme. Press again to return to the normal teletext display.
Freeze a teletext subpage	 20 . Press once again to cancel.
Reveal hidden information (e.g.: answers to a quiz)	 19 . Press once again to cancel.

Favourite page system

You can store up to four of your favourite teletext pages per Teletext service. In this way you have quick access to the pages you frequently use.

Storing pages

1 Use the number buttons **23** to select the page you would like to store.

2 Press **↔ 21** twice.

The colour prompts at the bottom of the screen flash.

3 Push the joystick **17** to the desired colour to store the selected page.

The page is now stored on this colour.

Repeat steps 1 to 3 for the other 3 pages.

Displaying the Favourite Pages

1 Press **↔ 21**.

2 Push the joystick **17** to the colour on which the desired page is stored.

Make sure you press **↔ 21** , otherwise the normal Fastext facility operates.

Using Fastext








(only available, if the TV station broadcasts Fastext signals)

With Fastext you can access pages with one key stroke . When Fastext is broadcast, a colour-coded menu appears at the bottom of the screen. The colours of this menu correspond to the red, green, yellow and blue marks **17** on the Remote Commander.


Push the joystick **17** to the colour mark which corresponds to the colour-coded menu. The page is displayed after some seconds.

Connecting Optional Equipment

There is a wide range of optional equipment you can connect to your TV. Refer to the illustrations on the front flap page of this manual.

Symbol	Acceptable input signals	Available output signals
 1 L	Normal audio/video and RGB	Audio/video from TV tuner
 2 /  2 M	Normal audio/video and S video	Audio/video from selected source
 3,  3 B  3 C	Normal audio/video and S video	No output
 K	No inputs	Audio from selected source.



Connecting Headphones

Plug in the headphones to the socket  **A** on the front of the TV.
The sound from the speakers is now muted.

About S video input

Video signals may be separated into Y (luminance) and C (chrominance) signals. Separating the two signals prevents interference and thus improves the picture quality.

Notes on connections:

- If the picture or sound is distorted, move the VCR away from the TV.
- When connecting a monaural VCR, connect only the white jack to both the TV and VCR.
- Select 'TV' for output in the 'VIDEO CONNECTION' menu if you connect a decoder to  2 /  2 (see page 34).






Selecting Input and Output Signals

This section explains how to select the output signal from $\rightarrow 2 / \rightarrow S 2$ **M** and how to select and view the input. You can use direct access buttons $\rightarrow 20$ **E** to select the input or the menu system to select input and output.

Selecting Input Signals With Direct Access Buttons

Press $\rightarrow 20$ **E** repeatedly.

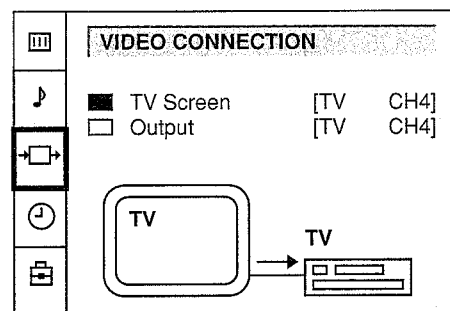
Press $\square 6$ to restore the normal TV picture.

Symbol on the screen	Input Signal
$\rightarrow 1$ 	Audio/video through Euro AV connector L
$\rightarrow 2$ 	RGB through Euro AV connector L
$\rightarrow S 2$ 	Audio/video through Euro AV connector M
$\rightarrow 3$ 	S video through Euro AV connector M
$\rightarrow S 3$ 	Audio/video through the phono jacks C
	S video through the 4 pin DIN B

Selecting With the Video Connection Menu

1 Press the MENU button **15**.

2 Push joystick **17** to blue or green to select $\rightarrow \square \rightarrow$ for "Video Connection" then push to yellow.



3 Push to blue or green to select 'TV Screen' (input source for the TV Screen) or 'Output' (output source for $\rightarrow 2 / \rightarrow S 2$ **M**) then push to yellow **17**.

4 Push to red or yellow repeatedly to select the desired input or output source then press the joystick **17**.


5 Press the MENU button **15** to restore the normal TV picture.

Note: If you select 'AUTO' for output, the output source automatically becomes the same as the desired input source.

Using AV Label Preset

This function enables you to label the input sources using up to five characters (letters or numbers).

1 Press the MENU button **15**.

2 Push joystick **17** to blue or green to select the symbol  on the screen then push to yellow.

3 Push to blue or green to select 'AV Label Preset' then push to yellow.

AV LABEL PRESET		
	INPUT	LABEL
<input checked="" type="checkbox"/>	AV1	-----
<input type="checkbox"/>	RGB	-----
<input type="checkbox"/>	AV2	-----
<input type="checkbox"/>	YC2	-----
<input type="checkbox"/>	AV3	-----
<input type="checkbox"/>	YC3	-----

4 Push to blue or green to select the desired input source then push to yellow.

5 Push to blue or green to select a letter or number then push to yellow (select '-' for a blank).
Select the other four characters in the same way.

6 After selecting all the characters, press the joystick **17**.

7 Repeat steps 4 to 6 to label other input sources.

8 Press the MENU button **15** to restore the normal TV screen.

Remote Control of Other Sony Equipment

You can control other Sony remote controlled equipment using the buttons ❷ on the Remote Commander.

- 1** Set the VTR 1/2/3 MDP selector according to the equipment
- VTR 1: Beta VCR
 - VTR 2: 8mm VCR
 - VTR 3: VHS VCR
 - MDP: Video Disk Player
-

- 2** Use the buttons ❷ to operate the equipment.
-

- Notes:**
- If your video equipment has a COMMAND MODE selector, set this selector to the same position as the VTR 1/2/3 MDP selector on the TV Remote Commander
 - If the equipment does not have a certain function, the corresponding button on the Remote Commander does not work.

Troubleshooting

Here are some simple solutions to the problems which affect the picture and sound.

Problem	Solution
No picture (screen is dark), no sound	<ul style="list-style-type: none"> • Plug the TV in. • Press ① I on the TV. (If ① indicator H is on, press ① 6 or a programme number 23 on the Remote Commander.) • Check the aerial connection. • Check if the selected video source is on. • Turn the TV off for 3 or 4 seconds then turn it on again using ① I.
Poor or no picture (screen is dark), but good sound	<ul style="list-style-type: none"> • Press MENU 15 to enter the 'PICTURE CONTROL' menu and adjust 'Contrast', 'Brightness' and 'Colour'.
Poor picture quality when watching an RGB video source.	<ul style="list-style-type: none"> • Press → 20 E repeatedly to select → 20 E.
Good picture but no sound	<ul style="list-style-type: none"> • Press 16 F. • If 16 F is displayed on the screen, press 16 F. • Check the speaker lead connections. (KV-25F2U/29F2U only)
No colour for colour programmes	<ul style="list-style-type: none"> • Press MENU 15 to enter the 'PICTURE CONTROL' menu, select 'Reset' then press the joystick 17.
Remote Commander does not function.	<ul style="list-style-type: none"> • Replace the batteries

If you continue to have problems, have your TV serviced by qualified personnel.
Never open the casing yourself.

Specifications

Television System

I

Colour System

PAL

NTSC 3.58/4.43(video input)

Channel Coverage

U21 - 69

Picture Tube

KV-25F1U/25F2U:

Super Trinitron

Approx. 63cm (25 inches)

(Approx. 59cm picture measured diagonally)

110° deflection

KV-29F1U/29F2U:

Super Trinitron

Approx. 72cm (29 inches)

(Approx 68 cm picture measured diagonally)

110° deflection

Rear Terminals

→ 1, 21 pin Euro connector

(CENELEC standard)

-inputs for audio and video signals

-inputs for RGB

-outputs for TV audio and video signals

→ 2/→ 2, 21 pin Euro connector

(CENELEC standard)

-inputs for audio and video signals

-inputs for S video

-outputs for audio and video signals (selectable)

→, audio outputs - phono jacks

(KV-25F2U/29F2U only)

Left/Right Speaker Terminals

Surround Speaker Terminals

Front Terminals

→ 3, video input - phono jack

→ 3, audio inputs - phono jacks

→ 3, S video input - 4 pin DIN

⊗, stereo minijack - headphone jack

Sound Output

KV-25F1U/29F1U:

Left/Right 2x15W (RMS)
2x30W (music power)

KV25F2U/29F2U:

Left/Right 2x10W (RMS)
2x20W (music power)

Centre 2x2.5W (RMS)

2x5W (music power)

Surround 2x5W (RMS)

2x10W (music power)

Power Consumption

KV-25F1U: 146W

KV-25F2U: 164W

KV-29F1U: 163W

KV-29F2U: 184W

Dimensions (WXHxD)

KV-25F1U/25F2U:

Approx. 586x551x480mm

KV-29F1U/29F2U:

Approx. 663x617x540mm

Weight

KV-25F1U: Approx. 32kg

KV-25F2U: Approx. 34kg (with speakers)

KV-29F1U: Approx. 42kg

KV-29F2U: Approx. 44kg (with speakers)

Supplied Accessories

Remote Commander RM-862 (1)

Batteries R6 (2)

(KV-25F2U/29F2U only)

Left Speaker (1)

Right Speaker (1)

Surround Speakers (2)

Surround Speaker Leads (2)

Other Features

Fasttext, NICAM

(KV-25F2U/29F2U only)

Dolby Pro Logic

Design and specifications are subject to change without notice



Television Channel Number Guide

Only the main transmitters are listed. Information regarding the regional sub-relay channel numbers can be obtained by contacting The BBC Engineering Information Dept. (0181) 752 5040.

MAIN TRANSMITTERS	BBC1	BBC2	ITV	CH4
London & South East				
① Bluebell Hill	40	46	43	65
② Crystal Palace	26	33	23	30
③ Dover	50	56	66	53
④ Heathfield	49	52	64	67
⑤ Oxford	57	63	60	53
South-West				
⑥ Beacon Hill	57	63	60	53
⑦ Caradon Hill	22	28	25	32
⑧ Huntshaw Cross	55	62	59	65
⑨ Redruth	51	44	41	47
⑩ Stockland Hill	33	26	23	29
Channel Islands				
⑪ Fremont Point	51	44	41	47
South				
⑫ Hannington	39	45	42	66
⑬ Midhurst	61	55	58	68
⑭ Rowridge	31	24	27	21
West				
⑮ Mendip	58	64	61	54
East				
⑯ Sandy Heath	31	27	24	21
⑰ Sudbury	51	44	41	47
⑱ Tacolneston	62	55	59	65
Midlands (West)				
⑲ Ridge Hill	22	28	25	32
⑳ Sutton Coldfield	46	40	43	50
㉑ The Wrekin	26	33	23	29
Midlands (East)				
㉒ Waltham	58	64	61	54
Northern Ireland				
㉓ Brougher Mountain	22	28	25	32
㉔ Divis	31	27	24	21
㉕ Limavady	55	62	59	65
North				
㉖ Belmont	22	28	25	32
㉗ Emley Moor	44	51	47	41
North-West				
㉘ Winter Hill	55	62	59	65
North-East				
㉙ Bilsdale West Moor	33	26	29	23
㉚ Caldbeck	30	34	28	32
㉛ Chatton	39	45	49	42
㉜ Pontop Pike	58	64	61	54
Scotland				
㉝ Angus	57	63	60	53
㉞ Black Hill	40	46	43	50
㉟ Sandale	22	67	—	—
㊱ Caldbeck	—	—	28	32
㊲ Craigkelly	31	27	24	21
㊳ Darvel	33	26	23	29
㊴ Durris	22	28	25	32
㊵ Eitshal (Lewis)	33	26	23	29
㊶ Keelylang Hill	40	46	43	50
㊷ Knock More	33	26	23	29
㊸ Rosemarkie	39	45	49	42
㊹ Rumster Forest	31	27	24	21
㊺ Selkirk	55	62	59	65

MAIN TRANSMITTERS	BBC1	BBC2	ITV	CH4
Wales				
④⑥ Blaenplwyf	31	27	24	21
④⑦ Carmel	57	63	60	53
④⑧ Llanddona	57	63	60	53
④⑨ Moel-y-Parc	52	45	49	42
⑤⑩ Presely	46	40	43	50
⑤⑪ Wenvoe	44	51	41	47

